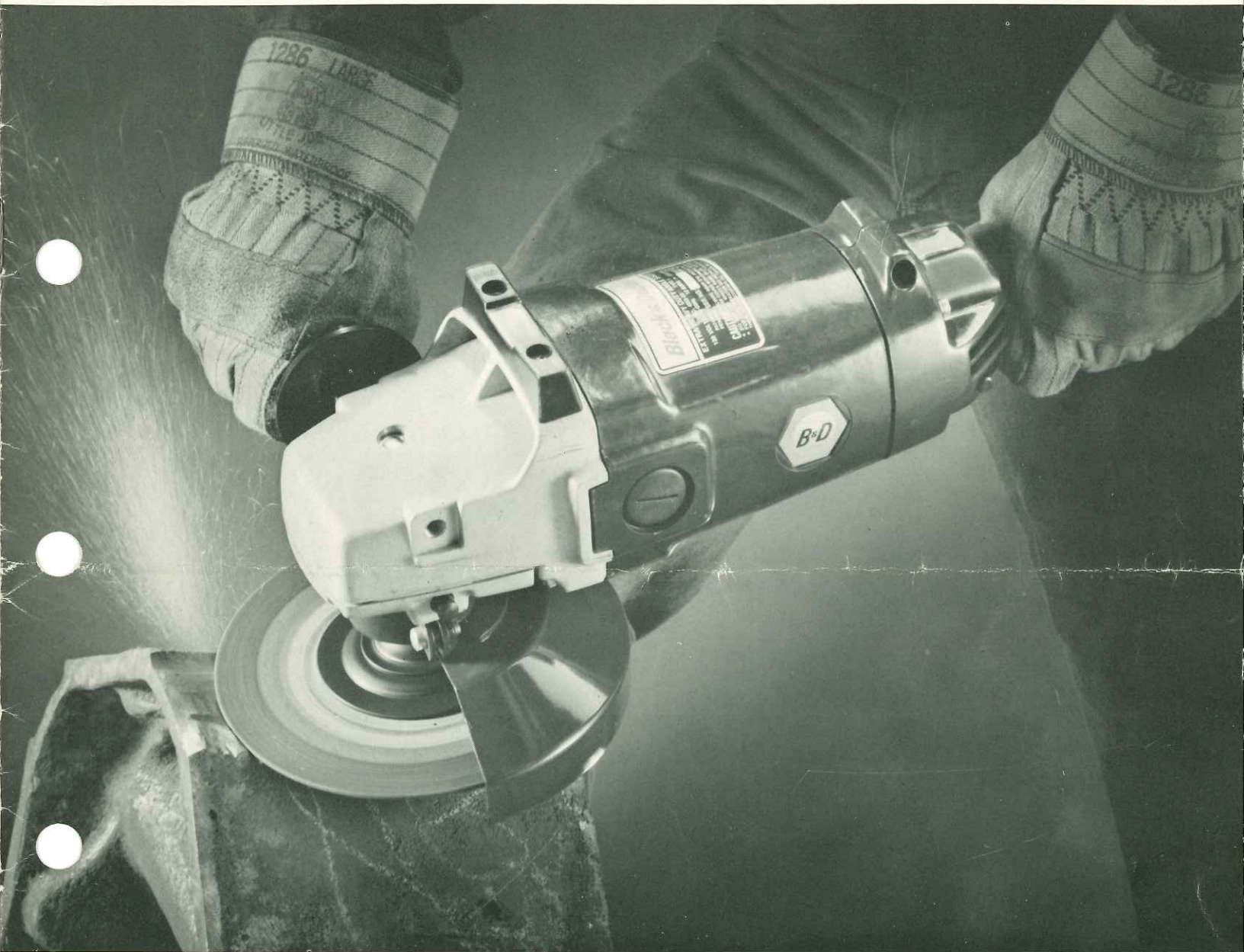


D8-62

ANGLE SANDERS, GRINDERS AND POLISHER



A complete line of heavy duty power tools designed to perform most sanding, grinding or polishing applications



Rec'd. Sept 20, 1976
Black & Decker®

HEAVY DUTY POWER TOOLS FOR THE PROFESSIONAL

NEW POWER:

Extra Heavy-Duty Angle Sanders/Grinders*



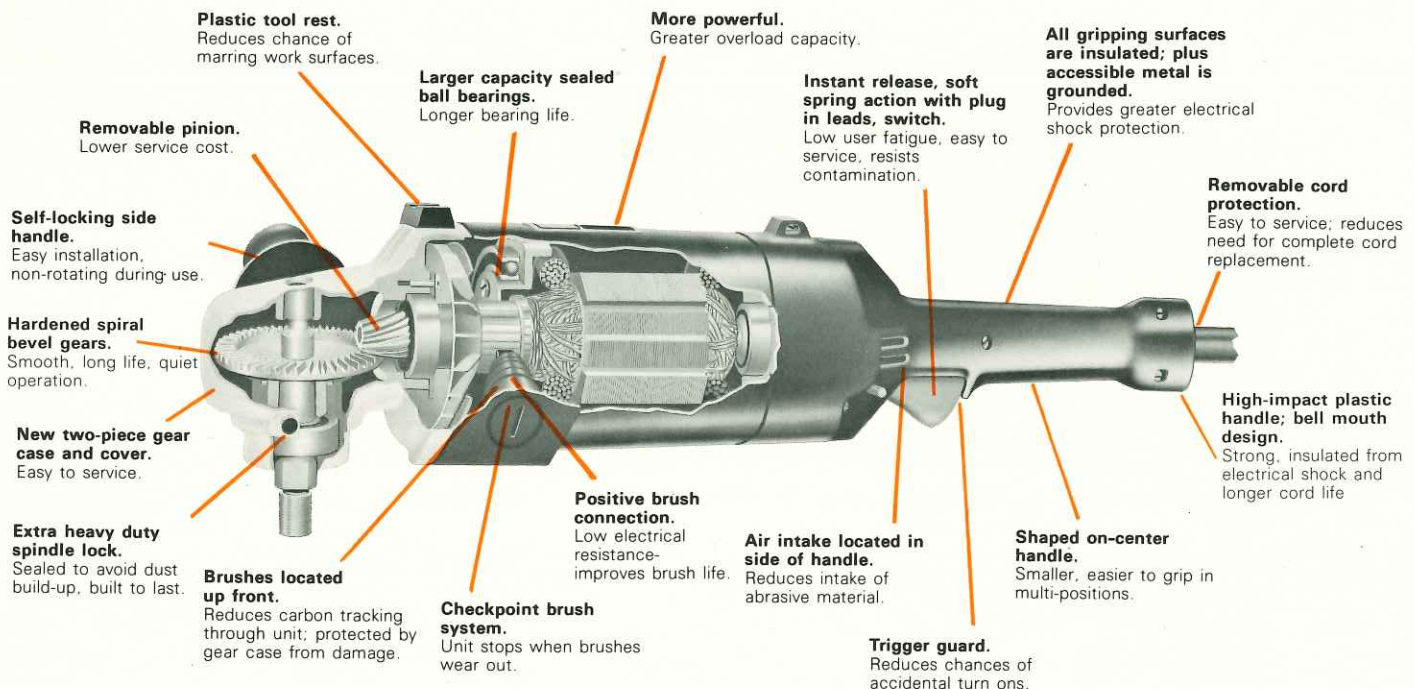
Extra Heavy-Duty Angle Sanders/Grinders*

No. 4054-09 (4250 RPM) No. 4055-09 (5000 RPM) No. 4056-09 (6000 RPM)

New Extra Heavy Duty Sanders/Grinders* feature many engineered improvements including extra power, excellent balance and weight, exclusive non-rotating self-locking side handle, extra large ball bearings and

insulated gripping surfaces. Standard equipment: self-locking side handle, non-marring tool rest and extra heavy duty spindle lock.

New Extra Heavy-Duty Sanders/Grinders: Features and Benefits.



*Angle Sanders may be converted to Angle Grinders by using the proper wheel guards for grinding operations. See page 7.

NEW POWER:

Heavy-Duty Angle Sander/Grinder*



Heavy-Duty Angle Sander/Grinder*

Model 4044-09 (4800 RPM)

This new Heavy-Duty Angle Sander/Grinder is not only packed with power at the right speed, but also possesses an optimum combination of balance and weight.

The Model 4044-09 has many of the features of the new Extra Heavy Duty Line, including exclusive

non-rotating self-locking side handle, insulated gripping surfaces, check-point brush system and extra large ball bearings.

Standard equipment includes:

Self-locking side handle; non-marring plastic tool rest; extra heavy duty spindle lock.

About B&D Angle Sanders/Grinders:*

Each is a top performance abrasive tool designed to perform almost every kind of surfacing job:

With Abrasive Discs: all sanding, from fast material removal to satin-smooth finishing.

With Flaring Cup and Depressed-Center Wheels

and the Correct Guarding: smooth welds and casting ridges; cut off old studs, bolts and rivets.

With Wire Cup Brushes: remove paint, rust, scale; clean castings, tanks, vats, boilers, sheet metal, and soldered joints.

Specifications

Cat. No.	Rated Amps (120 V)	Duty Rating	Bearings	No-Load Speed (RPM)	Instant-Release Switch AC/DC	Max. Backing-Pad for Sanding	Max. Depressed Ctr. Wheel for Grinding	Spindle Thread	O.S.H.A. Compliance	Length (in.) without Pad	Net Wt. with Cord (lbs.)
4044-09	10	Heavy duty	Ball needle	4800	Trigger	7" or 9"	7"	5/8"-11 thd.	Yes	17 1/2"	9 3/4
4054-09	13	Continuous duty	Ball, needle	4250	Trigger	7" or 9"	9"	5/8"-11 thd.	Yes	18 3/4"	13 1/4
4055-09	13	Continuous duty	Ball, needle	5000	Trigger	7" or 9"	9"	5/8"-11 thd.	Yes	18 3/4"	13 1/4
4056-09	13	Continuous duty	Ball, needle	6000	Trigger	7" or 9"	9"	5/8"-11 thd.	Yes	18 3/4"	13 1/4

*Angle Sanders may be converted to Angle Grinders by using the proper wheel guards for grinding operations. See page 7.

PROVEN POWER:

Heavy-Duty Angle Sanders / Grinders*



Heavy-Duty Angle Sanders / Grinders*

No. 4061 (4250 RPM) No. 4049 (5000 RPM) No. 4052 (6000 RPM)

These Heavy-Duty Angle Sanders have the speed to suit each job:

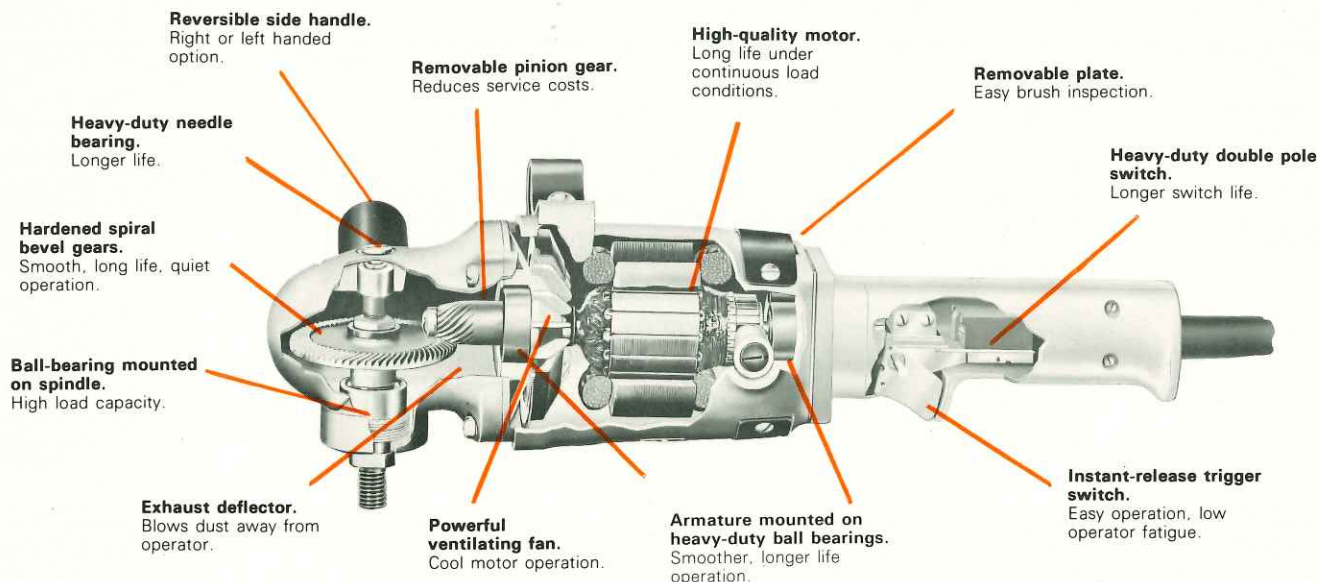
4250 RPM: for continuous use, heavy-duty jobs requiring the full power of the tool.

5000 RPM: for continuous use, heavy-duty jobs at a medium rate of speed.

6000 RPM: for heavy-duty use with accessories that operate best when high sanding speed and light pressure are used.

Standard equipment includes: side handle; strap stand; and spindle spring lock.

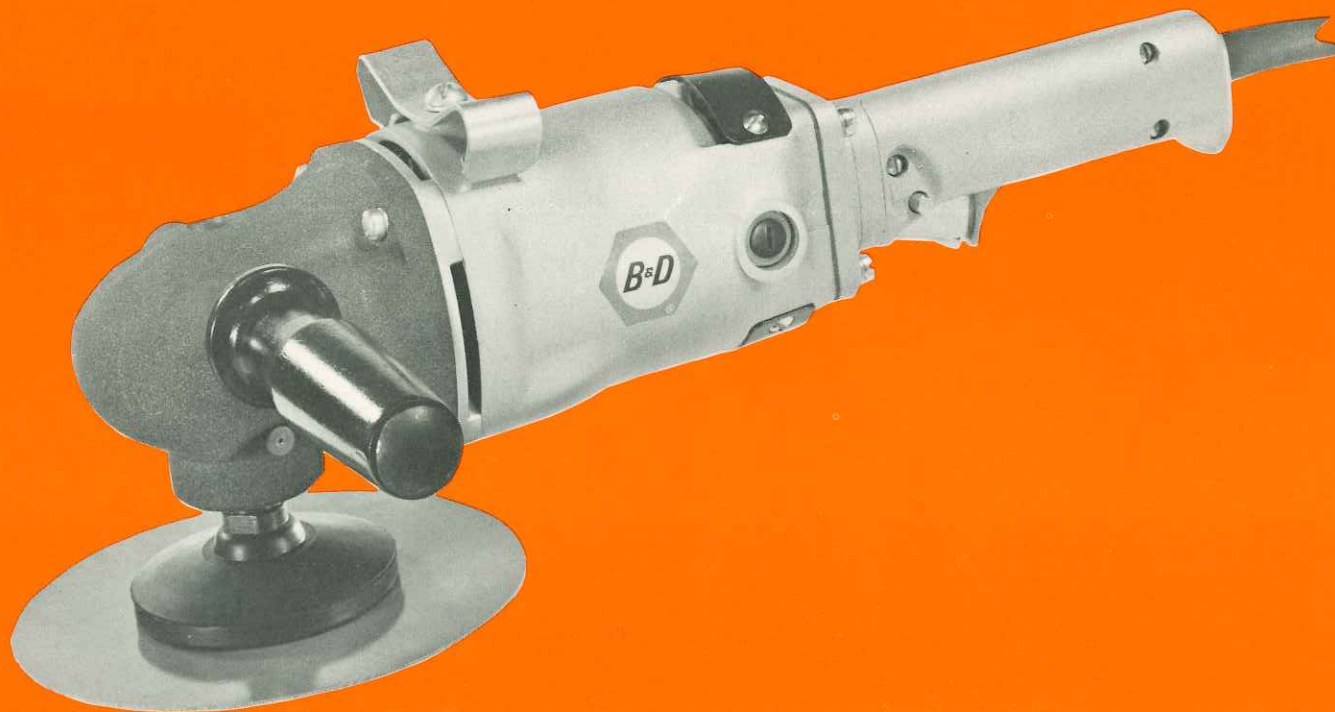
Heavy-Duty Sander / Grinders:* Features and Benefits.



*Angle Sanders may be converted to Angle Grinders by using the proper wheel guards for grinding operations, see page 7.

PROVEN POWER:

Heavy-Duty Angle Sanders / Grinders*



Heavy-Duty Angle Sander / Grinder*
No. 4046 (4800 RPM)

Heavy-Duty Angle Sander / Grinder*

This Angle Sander/Grinder* is rated for heavy duty use. The dependable motor is constructed for peak performance on all jobs.

Switch is protected from abrasive dust.

Standard equipment includes:

Spindle lock; reversible side handle; strap metal stand.

See opposite page for additional features and benefits.

Follow this safety precaution:

Always wear safety goggles during sanding or grinding operations.



Specifications:

Cat. No.	Rated Amps (120 V)	Duty Rating	Bearings	No-Load Speed (RPM)	Instant-Release Switch AC/DC	Max. Backing-Pad Diam. for Sanding	Max. Depressed Center Wheel for Grinding	Spindle Thread	O.S.H.A. Compliance	Length (in.) without Pad	Net Wt. with Cord (lbs.)
4046	8.5	Heavy duty	Ball, needle	4800	Trigger	7" or 9"	7"	5/8"-11 thd.	Yes	16 3/4"	10 1/2
4049	13	Continuous duty	Ball, needle	5000	Trigger	7" or 9"	9"	5/8"-11 thd.	Yes	17 1/4"	13 1/2
4052	13	Continuous duty	Ball, needle	6000	Trigger	7" or 9"	9"	5/8"-11 thd.	Yes	17 1/4"	13 1/2
4061	13	Continuous duty	Ball, needle	4250	Trigger	7" or 9"	9"	5/8"-11 thd.	Yes	17 1/4"	13 1/4

All units have 5/8"—11 spindle thread.

*Angle Sanders may be converted to Angle Grinders by using the proper wheel guards for grinding operations. See page 7

SUPER POWER:

Super-Duty Angle Sanders / Grinders*



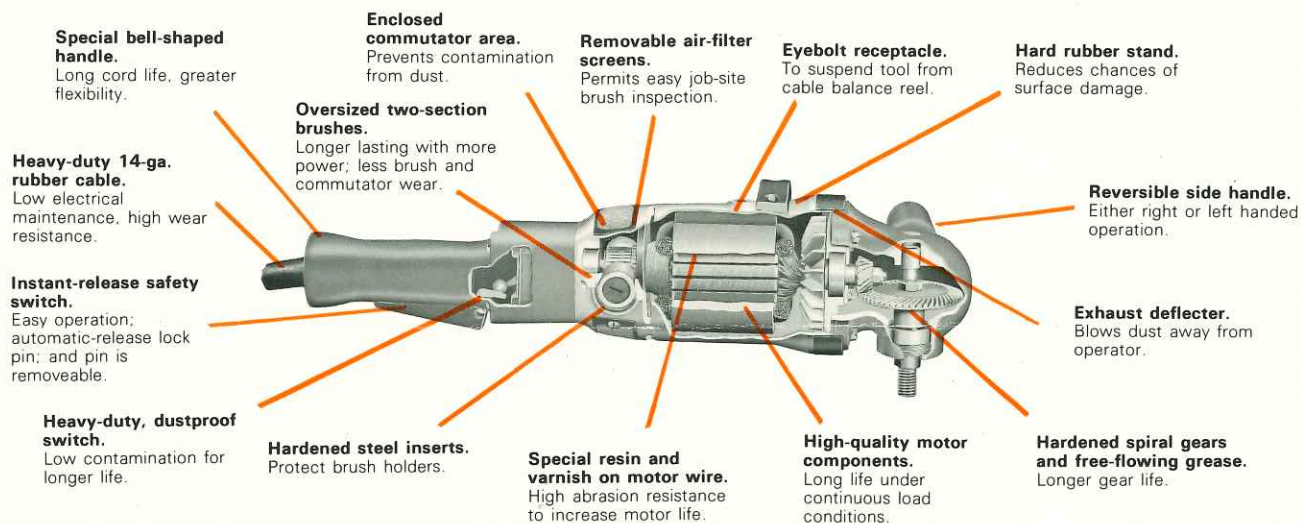
No. 4070 (5000 RPM) No. 4071 (6000 RPM)

Super-Duty Angle Sanders / Grinders*

These Super-Duty Angle Sander / Grinders are rated for continuous production use and designed for the most difficult applications.

Standard equipment includes reversible side handle; spindle spring lock; and a hard-rubber stand.

Super-Duty Sanders / Grinders:* Features and Benefits.



No. 4232 (8000 RPM)

7" Super-Duty Angle Grinder

This Super-Duty Angle Grinder is rated for continuous production use; superior speed under load helps it lead the field in getting tough jobs done fast.

Standard equipment includes 7" x 1/4" depressed-center wheel and 7" guard assembly; hard rubber stand; reversible side handle; spindle lock; disc wheel adaptor kit (includes clamp washer, spanner wrench, wheel backing flange).

Specifications:

Cat. No.	Rated Amps (120 V)	Duty Rating	Bearings	No-Load Speed (RPM)	Instant Release Switch AC/DC	Max Backing-Pad Diam. for Sanding	Max. Depressed Center Wheel Diam. for Grinding	O.S.H.A. Compliance	Length (in.) without Pad	Net Wt. with Cord (lbs.)
4070	15	Continuous duty	Ball, needle	5000	Lever	7" or 9"	9"	Yes	19 3/4"	17 1/2
4071	15	Continuous duty	Ball, needle	6000	Lever	7" or 9"	9"	Yes	19 3/4"	17 1/2
4232	15	Continuous duty	Ball, needle	8000	Lever	Not Recommended	7"	Yes	19 3/4"	18 1/8"

All units have a 5/8"-11 spindle thread.

*Angle Sanders may be converted to Angle Grinders by using the proper wheel guards for grinding operations. See page 7.

p.6

POWER POLISHER:

General-Purpose, Heavy-Duty Polisher.



No. 4100-09 (2300 RPM)

Heavy-Duty Polisher

The right speed for general polishing applications. Excellent combination of weight and balance. The best polisher for the professional.

Standard equipment includes self-locking side handle (no tools needed); easy-to-reach trigger lock pin; no marring plastic tool rest; No. C51824 Quick-Change Super-Flexible Rubber Backing Pad; and No. 50933 Clamp Washer (bonnet not included).

Feature:

- Large sealed bearings, hardened bevel gears.
- Sized and shaped handles.
- Excellent balance and weight.
- High-temperature wire in motor.
- Insulated gripping surfaces.
- Powerful ventilating fan.
- Air intake located in handle.
- Checkpoint brush system.

Benefit:

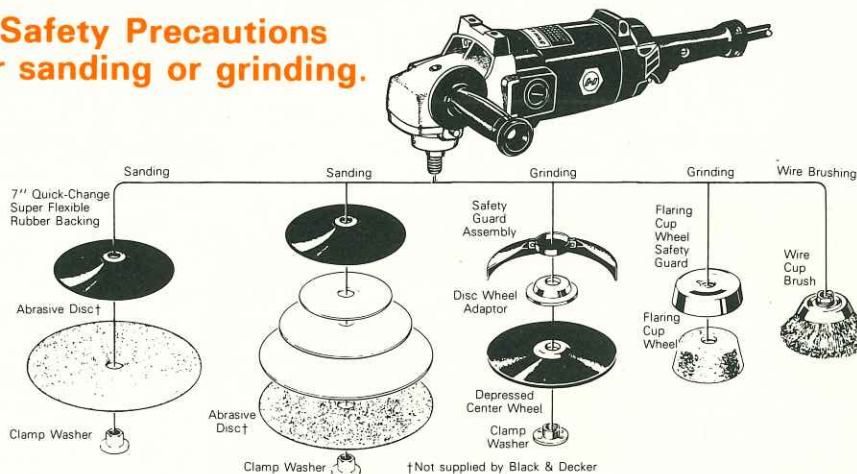
- Long life.
- More comfortable polishing.
- Less operator effort.
- Resists overload.
- Greater electrical shock protection.
- Keeps tool temperature down.
- Minimizes lint pickup.
- Stops unit when brushes wear out.

Specifications:

Catalog No.	Rated AMPS (120V)	No-load Speed (RPM)	Duty Rating	Bearings	Instant-Release Switch	Backing Pad Diam. (Inches)	Spindle Thread (Inch Dia.—No. threads)	OSHA Compliance	Length without Pad (Inches)	Net Weight with Cord lbs.
4100-09	6.5	2300	Heavy Duty	Ball needle	AC/DC	7	5/8-11	yes	17.2	10 1/4

Safety Precautions for sanding or grinding.

Illustrated here are the attachments necessary to safely use a bare-spindle unit as a sander or a grinder. Attachments shown are for sanding, for grinding and for wire brushing. Catalog numbers and specifications are listed on page 8 under Accessories.



Follow these safety precautions:

1. Wear safety goggles.
2. Wear protective gloves and clothing.
3. Use attachments that are rated at greater than the

- nameplate speed of the sander or grinder.
4. Adhere to the safety attachment recommendations illustrated here.

ACCESSORIES:

This complete line of accessories fits all makes of Right Angle Sanders and Grinders.

Depressed-Center Wheels For Metal Removal.

Wheels must not be used on grinders which have speeds in excess of maximum safe wheel speed shown.

For Super-Duty, Extra Heavy-Duty and Heavy-Duty Sanders and 8000 RPM Super-Duty Angle Grinder. They work best on rough surfaces to give a better finish than that possible with a grinding wheel or where the application is too severe for highly flexible, coated, abrasive discs. Flexible enough to blend and smooth curved surfaces and corners; use with disc wheel adapter No. 54338. Consult your B&D distributor for special grits.



Cat. No.	Wheel Size	Max. Wheel Speed	Safety Guard Required	Spindle Size	Wheel Description
37111	7" x 1/8"	7,750	#50885	5/8"-11	A-24 Grit
37112	7" x 1/4"	7,750	#50885	5/8"-11	A-24 Grit
37113	9" x 1/8"	6,000	#37109	5/8"-11	A-24 Grit
37114	9" x 1/4"	6,000	#37109	5/8"-11	A-24 Grit
52524	7" x 1/4"	8,500	#50885	5/8"-11	A-24 Grit

Depressed-Center Wheels For Concrete Surfacing.

Wheels must not be used on grinders which have speeds in excess of maximum safe wheel speed shown.

Use with disc wheel adapter No. 57443.

Cat. No.	Wheel Size	Max. Wheel Speed	Safety Guard Required	Spindle Size	Wheel Description
57430	7" x 1/8"	7,750	#50885	5/8"-11	C-16 Grit

Flaring Cup Wheels.

Wheels must not be used on grinders which have speeds in excess of maximum safe wheel speed shown.

For some metal-grinding applications, a sander equipped with a flaring cup wheel does smoother and faster work than a portable grinder.

Fits on all tool spindles having 5/8"-11 thread.

For Metal Removal



Cat. No.	Wheel Size	Max. Safe Speed	Safety Guard Req'd	Spindle Size	Wheel Description
24050	4"	9,000	38507	5/8"-11	Alum. Oxide
23444	5"	7,250	38508	5/8"-11	Alum. Oxide
18039	6"	5,000	38509	5/8"-11	Alum. Oxide

For Masonry Removal

Cat. No.	Wheel Size	Max. Safe Speed	Safety Guard Req'd	Spindle Size	Wheel Description
37219	5"	6,000	38508	5/8"-11	Silicon Carbide
37220	6"	5,000	38509	5/8"-11	Silicon Carbide

Wire Cup Brushes

Brushes must not be used on grinders which have speeds in excess of maximum safe speed shown.

For use on all portable electric Sanders. Finest quality wire gives long service on the toughest kinds of cleaning operations. Brushes remove rust and scale from metal. Used to clean tanks and boat hulls, castings and structural metal, and to take off old paint.



Cat. No.	Brush Diam.	Max. Safe Speed RPM	Wire Size	Trim Length	Size Arbor Hole Adapter
18056	4"	6,000	.020"	1 1/8"	5/8"-11
24353	5"	6,000	.020"	1 1/8"	5/8"-11
12398	6"	5,000	.020"	1 1/8"	5/8"-11

Safety Guards; Depressed-Center Wheel Guards and Cup Wheel Guards.

Provide safe operating conditions when using flaring cup wheels and depressed-center wheels listed in this Accessories section.

Depressed-Center Wheel Guards



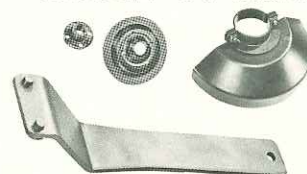
Cat. No.	Description	Guard Size	For use with
50885	Depressed-Center Wheel Guard	7"	7" Depressed-Center Wheels (Nos. 37111, 37112, 57430, 52524)
37109	Depressed-Center Wheel Guard	9"	9" Depressed-Center Wheels (Nos. 37113, 37114)

CUP WHEEL GUARDS

Cat. No.	Description	Guard Size	For use with
38507	Flaring Cup Wheel Guard	4"	4" Flaring Cup Wheel (No. 24050)
38508	Flaring Cup Wheel Guard	5"	5" Flaring Cup Wheels (Nos. 23444, 37219)
38509	Flaring Cup Wheel Guard	6"	6" Flaring Cup Wheels (Nos. 18039, 37220)

Abrasive Wheel-Guard Kits.

Converts any 7" or 9" sander into a grinder.



7" Kit No. 40497: Includes the following: 1-No. 50885 7" guard and 1-No. 54338 disc wheel adapter.

9" Kit No. 40496: Includes the following: 1-No. 37109 9" guard and 1-No. 54338 disc wheel adapter.

Quick-Change Flexible Backing Pads.

No. 61829; 3 1/2" Quick-Change Rubber Backing Pad with No. 50933 Clamp Washer. Max. safe rpm: 6000.

No. 50928; 4 3/4" Quick-Change Flexible Backing Pad with No. 50933 Clamp Washer. Max. safe rpm: 6000.

No. 50934; 6 1/2" Quick-Change Flexible Backing Pad with No. 50933 Clamp Washer. Max. safe rpm: 6000.

No. 51824; 7" Quick-Change Super-Flexible Rubber Backing Pad with No. 50933 Clamp Washer. Max. safe rpm: 5000.

"Koolflex" Backing Pads.

Lightweight plastic-bonded backing discs provide greater flexibility and very cool operation on sanding applications; can be used with No. 50928 4 3/4" Rubber Backing Pad.

For maximum flexibility: use one Koolflex Pad with corresponding size Abrasive Disc (i.e., 6 3/4" Koolflex Pad with 7" Sanding Disc).

For "feathering" finish: use No. 31000 6 3/4" Koolflex Pad with 9 1/8" Abrasive Disc.

For more rigid backing: use both sizes of Koolflex Pads with 9 1/8" Abrasive Disc.

No. 31000; 6 3/4" "Koolflex" Backing Pad. Max. safe rpm: 6000.

No. 31001; 8 1/8" "Koolflex" Backing Pad. Max. safe rpm: 6000.

Phenolic Backing Discs.

Lightweight backing discs provide greater flexibility for most sanding operations.

For maximum rigidity: combine two or three sizes with 3 1/2" Backing Disc and proper size Abrasive Disc.

For more flexibility: use one or two sizes with 3 1/2" Backing Disc and proper size Abrasive Disc.

No. 61906; 5" Phenolic Disc only. Max. safe rpm: 6000.

No. 61907; 7" Phenolic Disc only. Max. safe rpm: 6000.

No. 61908; 9" Phenolic Disc only. Max. safe rpm: 6000.

Polishing Bonnets.

For use with No. C51824 Backing Pad.

No. C 13086; 7" Lambswool Polishing Pad

No. C 13087; 7" Lambswool Polishing Bonnet

No. 45434; 7 1/2" Vitri-buff Pad

No. 37796; 7 1/2" Vitri-buff Bonnet

**THE BLACK AND DECKER
MANUFACTURING COMPANY
TOWSON, MARYLAND 21204**